

SUBJECT INDEX

Adhesive bonding

Chemical Effects on Flexible-Membrane Liner Seams, K. R. Agricola, J. M. Krause-Singh and R. L. Hauser, MT May 90 p53-71.

Admixtures

Ash from Oil-Palm Waste as a Concrete Material, Joo-Hwa Tay, MT May 90 p94-105.

Strength Enhancement in Type K Expansive Cement Using Additives, Shondeep L. Sarkar, MT Feb. 90 p1-14.

Aeration

Fracture of AAC as Influenced by Specimen Dimension and Moisture, Eugen Brühwiler, Jia Wang and Folker H. Wittmann, MT Aug. 90 p136-146.

Aggregates

Aggregate Made from Incinerated Sludge Residue, Woon-Kwong Yip and Joo-Hwa Tay, MT May 90 p84-93.

Aging

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Air entrainment

Freeze-Thaw Deterioration of Concrete Pavements, Dan F. Adkins and Vance T. Christiansen, MT May 89 p97-104.

Analysis

Effect of Moisture Movement on Tested Thermal Conductivity of Moist Materials, Rachel Becker and Amnon Katz, MT May 90 p72-83.

Ashes

Ash from Oil-Palm Waste as a Concrete Material, Joo-Hwa Tay, MT May 90 p94-105.

Asphalt mix design

Asphalt Concrete Creep as Related to Rutting, Kamyar Mahboub, MT Aug. 90 p147-163.

Asphalt pavements

Asphalt Concrete Creep as Related to Rutting, Kamyar Mahboub, MT Aug. 90 p147-163.

Bearing capacity

Creep of Sandwich Beams with Polymer Foam Cores, Jong-Shin Huang and Lorna Jane Gibson, MT Aug. 90 p171-182.

Bricks

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Buildings

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Creep of Sandwich Beams with Polymer Foam Cores, Jong-Shin Huang and Lorna Jane Gibson, MT Aug. 90 p171-182.

Fracture of AAC as Influenced by Specimen Dimension and Moisture, Eugen Brühwiler, Jia Wang and Folker H. Wittmann, MT Aug. 90 p136-146.

Carbonation

Influence of Surface Coatings on Carbonation of Concrete, David W. S. Ho and Rex S. Harrison, MT Feb. 90 p35-44.

Static Carbonation of Oil-Well Cements under Different Conditions, E. Grabowski, MT Nov. 90 p183-201.

Cements

Ash from Oil-Palm Waste as a Concrete Material, Joo-Hwa Tay, MT May 90 p94-105.

Environmental Factor and Concentration of Cl⁻ and OH⁻ in Mortars, O. A. Kayyali and M. N. Haque, MT Feb. 90 p24-34.

Generalization of Flow Behavior of Cement-Fly-Ash Pastes and Mortars, R. C. Joshi and T. S. Nagaraj, MT Aug. 90 p128-135.

Qualitative Analysis of Natural Pozzolanas, Fly Ashes, and Blast Furnace Slags by XRD, Rafael Talero, MT May 90 p106-115.

Static Carbonation of Oil-Well Cements under Different Conditions, E. Grabowski, MT Nov. 90 p183-201.

Strength Enhancement in Type K Expansive Cement Using Additives, Shondeep L. Sarkar, MT Feb. 90 p1-14.

Chemicals

Static Carbonation of Oil-Well Cements under Different Conditions, E. Grabowski, MT Nov. 90 p183-201.

Chlorides

Environmental Factor and Concentration of Cl⁻ and OH⁻ in Mortars, O. A. Kayyali and M. N. Haque, MT Feb. 90 p24-34.

Coefficients

Coefficient of Friction for Steel on Concrete at High Normal Stress, Peter Baltay and Atle Gjelsvik, MT Feb. 90 p46-49.

Compliance

Experimental Method to Determine Extension of Fracture-Process Zone, Xiaozhi Hu and Folker H. Wittmann, MT Feb. 90 p15-23.

Composite materials

Asphalt Concrete Creep as Related to Rutting, Kamyar Mahboub, MT Aug. 90 p147-163.

Compressive strength

Ash from Oil-Palm Waste as a Concrete Material, Joo-Hwa Tay, MT May 90 p94-105.

Long-Term Compressive Strength of Silica-Fume Concrete, P. C. Altin and P. Laplante, MT Aug. 90 p164-170.

Concrete

Aggregate Made from Incinerated Sludge Residue, Woon-Kwong Yip and Joo-Hwa Tay, MT May 90 p84-93.

Ash from Oil-Palm Waste as a Concrete Material, Joo-Hwa Tay, MT May 90 p94-105.

Asphalt Concrete Creep as Related to Rutting, Kamyar Mahboub, MT Aug. 90 p147-163.

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Coefficient of Friction for Steel on Concrete at High Normal Stress, Peter Baltay and Atle Gjelsvik, MT Feb. 90 p46-49.

Effect of Moisture Movement on Tested Thermal Conductivity of Moist Materials, Rachel Becker and Amnon Katz, MT May 90 p72-83.

Experimental Method to Determine Extension of Fracture-Process Zone, Xiaozhi Hu and Folker H. Wittmann, MT Feb. 90 p15-23.

Fracture of AAC as Influenced by Specimen Dimension and Moisture, Eugen Brühwiler, Jia Wang and Folker H. Wittmann, MT Aug. 90 p136-146.

Long-Term Compressive Strength of Silica-Fume Concrete, P. C. Altin and P. Laplante, MT Aug. 90 p164-170.

Three-Parameter Failure Criterion for Concrete, Long-YuanT2AvH Fellow Li and Thomas G. Harmon, MT Nov. 90 p215-222.

Concrete deterioration

Freeze-Thaw Deterioration of Concrete Pavements, Dan F. Adkins and Vance T. Christiansen, MT May 89 p97-104.

Concrete durability

Freeze-Thaw Deterioration of Concrete Pavements, Dan F. Adkins and Vance T. Christiansen, MT May 89 p97-104.

Concrete pavements

Freeze-Thaw Deterioration of Concrete Pavements, Dan F. Adkins and Vance T. Christiansen, MT May 89 p97-104.

Concrete, reinforced

Influence of Surface Coatings on Carbonation of Concrete, David W. S. Ho and Rex S. Harrison, MT Feb. 90 p35-44.

Shear Transfer in Reinforced Fiber Concrete, K. H. Tan and M. A. Mansur, MT Nov. 90 p202-214.

Corrosion

Influence of Surface Coatings on Carbonation of Concrete, David W. S. Ho and Rex S. Harrison, MT Feb. 90 p35-44.

Corrosion control

Environmental Factor and Concentration of Cl⁻ and OH⁻ in Mortars, O. A. Kayyali and M. N. Haque, MT Feb. 90 p24-34.

Cracking

Experimental Method to Determine Extension of Fracture-Process Zone, Xiaozhi Hu and Folker H. Wittmann, MT Feb. 90 p15-23.

Three-Parameter Failure Criterion for Concrete, Long-YuanT2AvH Fellow Li and Thomas G. Harmon, MT Nov. 90 p215-222.

Creep

Asphalt Concrete Creep as Related to Rutting, Kamyar Mahboub, MT Aug. 90 p147-163.

Creep of Sandwich Beams with Polymer Foam Cores, Jong-Shin Huang and Lorna Jane Gibson, MT Aug. 90 p171-182.

Crushing

Three-Parameter Failure Criterion for Concrete, Long-YuanT2AvH Fellow Li and Thomas G. Harmon, MT Nov. 90 p215-222.

Curing

Environmental Factor and Concentration of Cl⁻ and OH⁻ in Mortars, O. A. Kayyali and M. N. Haque, MT Feb. 90 p24-34.

Static Carbonation of Oil-Well Cements under Different Conditions, E. Grabowski, MT Nov. 90 p183-201.

Cylinders

Selection of Rubber Materials and Shapes for Energy-Absorbing Elements, Paul N. Roschke, Michael F. Thompson and Dean L. Sicking, MT Nov. 90 p240-259.

Deformation

Shear Transfer in Reinforced Fiber Concrete, K. H. Tan and M. A. Mansur, MT Nov. 90 p202-214.

Deloing

Freeze-Thaw Deterioration of Concrete Pavements, Dan F. Adkins and Vance T. Christiansen, MT May 89 p97-104.

Deterioration

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Influence of Surface Coatings on Carbonation of Concrete, David W. S. Ho and Rex S. Harrison, MT Feb. 90 p35-44.

Diffusion

Influence of Surface Coatings on Carbonation of Concrete, David W. S. Ho and Rex S. Harrison, MT Feb. 90 p35-44.

Dynamic tests

Selection of Rubber Materials and Shapes for Energy-Absorbing Elements, Paul N. Roschke, Michael F. Thompson and Dean L. Sicking, MT Nov. 90 p240-259.

Energy dissipation

Selection of Rubber Materials and Shapes for Energy-Absorbing Elements, Paul N. Roschke, Michael F. Thompson and Dean L. Sicking, MT Nov. 90 p240-259.

Environmental factors

Environmental Factor and Concentration of Cl⁻ and OH⁻ in Mortars, O. A. Kayyali and M. N. Haque, MT Feb. 90 p24-34.

Expansive cement

Strength Enhancement in Type K Expansive Cement Using Additives, Shondeep L. Sarkar, MT Feb. 90 p1-14.

Experimentation

Fracture of AAC as Influenced by Specimen Dimension and Moisture, Eugen Brühwiler, Jia Wang and Folker H. Wittmann, MT Aug. 90 p136-146.

Failures

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Influence of Surface Coatings on Carbonation of Concrete, David W. S. Ho and Rex S. Harrison, MT Feb. 90 p35-44.

Three-Parameter Failure Criterion for Concrete, Long-Yuan Tzavh Fellow Li and Thomas G. Harmon, MT Nov. 90 p215-222.

Field tests

Long-Term Compressive Strength of Silica-Fume Concrete, P. C. Attin and P. Laplante, MT Aug. 90 p164-170.

Flexible pavements

Asphalt Concrete Creep as Related to Rutting, Kamyar Mahboub, MT Aug. 90 p147-163.

Flow patterns

Generalization of Flow Behavior of Cement-Fly-Ash Pastes and Mortars, R. C. Joshi and T. S. Nagaraj, MT Aug. 90 p128-135.

Fly ash

Environmental Factor and Concentration of Cl⁻ and OH⁻ in Mortars, O. A. Kayyali and M. N. Haque, MT Feb. 90 p24-34.

Generalization of Flow Behavior of Cement-Fly-Ash Pastes and Mortars, R. C. Joshi and T. S. Nagaraj, MT Aug. 90 p128-135.

Qualitative Analysis of Natural Pozzolanas, Fly Ashes, and Blast Furnace Slags by XRD, Rafael Talero, MT May 90 p106-115.

Foam

Creep of Sandwich Beams with Polymer Foam Cores, Jong-Shin Huang and Lorna Jane Gibson, MT Aug. 90 p171-182.

Fracture mechanics

Experimental Method to Determine Extension of Fracture-Process Zone, Xiaozhi Hu and Folker H. Wittmann, MT Feb. 90 p15-23.

Fractures, materials

Fracture of AAC as Influenced by Specimen Dimension and Moisture, Eugen Brühwiler, Jia Wang and Folker H. Wittmann, MT Aug. 90 p136-146.

Fracturing

Experimental Method to Determine Extension of Fracture-Process Zone, Xiaozhi Hu and Folker H. Wittmann, MT Feb. 90 p15-23.

Freeze-thaw cycle

Freeze-Thaw Deterioration of Concrete Pavements, Dan F. Adkins and Vance T. Christiansen, MT May 89 p97-104.

Freeze-thaw durability

Freeze-Thaw Deterioration of Concrete Pavements, Dan F. Adkins and Vance T. Christiansen, MT May 89 p97-104.

Friction

Coefficient of Friction for Steel on Concrete at High Normal Stress, Peter Baltay and Atle Gjelsvik, MT Feb. 90 p46-49.

Glass fibers

Shear Properties of Pultruded Glass FRP Materials, Lawrence C. Bank, MT May 90 p118-122.

Hazardous waste sites

Chemical Effects on Flexible-Membrane Liner Seams, K. R. Agricola, J. M. Krause-Singh and R. L. Hauser, MT May 90 p53-71.

Heated water

Static Carbonation of Oil-Well Cements under Different Conditions, E. Grabowski, MT Nov. 90 p183-201.

High strength concretes

Long-Term Compressive Strength of Silica-Fume Concrete, P. C. Attin and P. Laplante, MT Aug. 90 p164-170.

Hot weather construction

Environmental Factor and Concentration of Cl⁻ and OH⁻ in Mortars, O. A. Kayyali and M. N. Haque, MT Feb. 90 p24-34.

Incineration

Aggregate Made from Incinerated Sludge Residue, Woon-Kwong Yip and Joo-Hwa Tay, MT May 90 p84-93.

Insulation

Aggregate Made from Incinerated Sludge Residue, Woon-Kwong Yip and Joo-Hwa Tay, MT May 90 p84-93.

Creep of Sandwich Beams with Polymer Foam Cores, Jong-Shin Huang and Lorna Jane Gibson, MT Aug. 90 p171-182.

Liners

Chemical Effects on Flexible-Membrane Liner Seams, K. R. Agricola, J. M. Krause-Singh and R. L. Hauser, MT May 90 p53-71.

Masonry

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Materials

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Materials testing

Asphalt Concrete Creep as Related to Rutting, Kamyar Mahboub, MT Aug. 90 p147-163.

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Chemical Effects on Flexible-Membrane Liner Seams, K. R. Agricola, J. M. Krause-Singh and R. L. Hauser, MT May 90 p53-71.

Materials tests

Coefficient of Friction for Steel on Concrete at High Normal Stress, Peter Baltay and Atle Gjelsvik, MT Feb. 90 p46-49.

Mathematical models

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Mechanical properties

Asphalt Concrete Creep as Related to Rutting, Kamyar Mahboub, MT Aug. 90 p147-163.

Creep of Sandwich Beams with Polymer Foam Cores, Jong-Shin Huang and Lorna Jane Gibson, MT Aug. 90 p171-182.

Shear Transfer in Reinforced Fiber Concrete, K. H. Tan and M. A. Mansur, MT Nov. 90 p202-214.

Membranes, linings

Chemical Effects on Flexible-Membrane Liner Seams, K. R. Agricola, J. M. Krause-Singh and R. L. Hauser, MT May 90 p53-71.

Metals

Coefficient of Friction for Steel on Concrete at High Normal Stress, Peter Baltay and Atle Gjelsvik, MT Feb. 90 p46-49.

Mixtures

Generalization of Flow Behavior of Cement-Fly-Ash Pastes and Mortars, R. C. Joshi and T. S. Nagaraj, MT Aug. 90 p128-135.

Models

Creep of Sandwich Beams with Polymer Foam Cores, Jong-Shin Huang and Lorna Jane Gibson, MT Aug. 90 p171-182.

Moisture content

Effect of Moisture Movement on Tested Thermal Conductivity of Moist Materials, Rachel Becker and Amnon Katz, MT May 90 p72-83.

Fracture of AAC as Influenced by Specimen Dimension and Moisture, Eugen Brühwiler, Jia Wang and Folker H. Wittmann, MT Aug. 90 p136-146.

Mortars

Environmental Factor and Concentration of Cl⁻ and OH⁻ in Mortars, O. A. Kayyali and M. N. Haque, MT Feb. 90 p24-34.

Generalization of Flow Behavior of Cement-Fly-Ash Pastes and Mortars, R. C. Joshi and T. S. Nagaraj, MT Aug. 90 p128-135.

Nondestructive measurement

Effect of Moisture Movement on Tested Thermal Conductivity of Moist Materials, Rachel Becker and Amnon Katz, MT May 90 p72-83.

Normal stress

Coefficient of Friction for Steel on Concrete at High Normal Stress, Peter Baltay and Atle Gjelsvik, MT Feb. 90 p46-49.

Optimization

Generalization of Flow Behavior of Cement-Fly-Ash Pastes and Mortars, R. C. Joshi and T. S. Nagaraj, MT Aug. 90 p128-135.

Permeability

Static Carbonation of Oil-Well Cements under Different Conditions, E. Grabowski, MT Nov. 90 p183-201.

Physical properties

Aggregate Made from Incinerated Sludge Residue, Woon-Kwong Yip and Joo-Hwa Tay, MT May 90 p84-93.

Ash from Oil-Palm Waste as a Concrete Material, Joo-Hwa Tay, MT May 90 p94-105.

Coefficient of Friction for Steel on Concrete at High Normal Stress, Peter Baltay and Atle Gjelsvik, MT Feb. 90 p46-49.

Fracture of AAC as Influenced by Specimen Dimension and Moisture, Eugen Brühwiler, Jia Wang and Folker H. Wittmann, MT Aug. 90 p136-146.

Generalization of Flow Behavior of Cement-Fly-Ash Pastes and Mortars, R. C. Joshi and T. S. Nagaraj, MT Aug. 90 p128-135.

Long-Term Compressive Strength of Silica-Fume Concrete, P. C. Altin and P. Laplante, MT Aug. 90 p164-170.

Qualitative Analysis of Natural Pozzolanas, Fly Ashes, and Blast Furnace Slags by XRD, Rafael Talero, MT May 90 p106-115.

Strength Enhancement in Type K Expansive Cement Using Additives, Shondeep L. Sarkar, MT Feb. 90 p1-14.

Plastic deformation

Asphalt Concrete Creep as Related to Rutting, Kamyar Mahboub, MT Aug. 90 p147-163.

Plastics

Shear Properties of Pultruded Glass FRP Materials, Lawrence C. Bank, MT May 90 p118-122.

Ferrous materials

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Properties

Static Carbonation of Oil-Well Cements under Different Conditions, E. Grabowski, MT Nov. 90 p183-201.

Quality control

Chemical Effects on Flexible-Membrane Liner Seams, K. R. Agricola, J. M. Krause-Singh and R. L. Hauser, MT May 90 p53-71.

Quantitative analysis

Qualitative Analysis of Natural Pozzolanas, Fly Ashes, and Blast Furnace Slags by XRD, Rafael Talero, MT May 90 p106-115.

Reinforcement

Shear Properties of Pultruded Glass FRP Materials, Lawrence C. Bank, MT May 90 p118-122.

Reinforcing steels

Environmental Factor and Concentration of Cl⁻ and OH⁻ in Mortars, O. A. Kayyali and M. N. Haque, MT Feb. 90 p24-34.

Rubber

Selection of Rubber Materials and Shapes for Energy-Absorbing Elements, Paul N. Roschke, Michael F. Thompson and Dean L. Sicking, MT Nov. 90 p240-259.

Salts

Freeze-Thaw Deterioration of Concrete Pavements, Dan F. Adkins and Vance T. Christiansen, MT May 89 p97-104.

Salts effects

Freeze-Thaw Deterioration of Concrete Pavements, Dan F. Adkins and Vance T. Christiansen, MT May 89 p97-104.

Sandwich panels

Creep of Sandwich Beams with Polymer Foam Cores, Jong-Shin Huang and Lorna Jane Gibson, MT Aug. 90 p171-182.

Sealants

Chemical Effects on Flexible-Membrane Liner Seams, K. R. Agricola, J. M. Krause-Singh and R. L. Hauser, MT May 90 p53-71.

Influence of Surface Coatings on Carbonation of Concrete, David W. S. Ho and Rex S. Harrison, MT Feb. 90 p35-44.

Sealing

Chemical Effects on Flexible-Membrane Liner Seams, K. R. Agricola, J. M. Krause-Singh and R. L. Hauser, MT May 90 p53-71.

Service life

Building Materials Durability: Semi-Markov Approach, Luigia Binda and Chiara Molina, MT Nov. 90 p223-239.

Shear flow

Shear Transfer in Reinforced Fiber Concrete, K. H. Tan and M. A. Mansur, MT Nov. 90 p202-214.

Shear strength

Shear Transfer in Reinforced Fiber Concrete, K. H. Tan and M. A. Mansur, MT Nov. 90 p202-214.

Shear tests

Shear Properties of Pultruded Glass FRP Materials, Lawrence C. Bank, MT May 90 p118-122.

Silica

Long-Term Compressive Strength of Silica-Fume Concrete, P. C. Altin and P. Laplante, MT Aug. 90 p164-170.

Static Carbonation of Oil-Well Cements under Different Conditions, E. Grabowski, MT Nov. 90 p183-201.

Slag

Qualitative Analysis of Natural Pozzolanas, Fly Ashes, and Blast Furnace Slags by XRD, Rafael Talero, MT May 90 p106-115.

Sludge

Aggregate Made from Incinerated Sludge Residue, Woon-Kwong Yip and Joo-Hwa Tay, MT May 90 p84-93.

Spalling

Freeze-Thaw Deterioration of Concrete Pavements, Dan F. Adkins and Vance T. Christiansen, MT May 89 p97-104.

Specifications

Shear Properties of Pultruded Glass FRP Materials, Lawrence C. Bank, MT May 90 p118-122.

Steel

Coefficient of Friction for Steel on Concrete at High Normal Stress, Peter Baltay and Atle Gjelsvik, MT Feb. 90 p46-49.

Steel fibers

Shear Transfer in Reinforced Fiber Concrete, K. H. Tan and M. A. Mansur, MT Nov. 90 p202-214.

Strength

Aggregate Made from Incinerated Sludge Residue, Woon-Kwong Yip and Joo-Hwa Tay, MT May 90 p84-93.

Static Carbonation of Oil-Well Cements under Different Conditions, E. Grabowski, MT Nov. 90 p183-201.

Strength Enhancement in Type K Expansive Cement Using Additives, Shondeep L. Sarkar, MT Feb. 90 p1-14.

Structures

Ash from Oil-Palm Waste as a Concrete Material, Joo-Hwa Tay, MT May 90 p94-105.

Coefficient of Friction for Steel on Concrete at High Normal Stress, Peter Baltay and Atle Gjelsvik, MT Feb. 90 p46-49.

Effect of Moisture Movement on Tested Thermal Conductivity of Moist Materials, Rachel Becker and Amnon Katz, MT May 90 p72-83.

Experimental Method to Determine Extension of Fracture-Process Zone, Xiaozhi Hu and Folker H. Wittmann, MT Feb. 90 p15-23.

Generalization of Flow Behavior of Cement-Fly-Ash Pastes and Mortars, R. C. Joshi and T. S. Nagaraj, MT Aug. 90 p128-135.

Influence of Surface Coatings on Carbonation of Concrete, David W. S. Ho and Rex S. Harrison, MT Feb. 90 p35-44.

Long-Term Compressive Strength of Silica-Fume Concrete, P. C. Altin and P. Laplante, MT Aug. 90 p164-170.

Shear Properties of Pultruded Glass FRP Materials, Lawrence C. Bank, MT May 90 p118-122.

Static Carbonation of Oil-Well Cements under Different Conditions, E. Grabowski, MT Nov. 90 p183-201.

Strength Enhancement in Type K Expansive Cement Using Additives, Shondeep L. Sarkar, MT Feb. 90 p1-14.

Temperature effects

Environmental Factor and Concentration of Cl^- and OH^- in Mortars, O. A. Kayyali and M. N. Haque, MT Feb. 90 p24-34.

Selection of Rubber Materials and Shapes for Energy-Absorbing Elements, Paul N. Roschke, Michael F. Thompson and Dean L. Sicking, MT Nov. 90 p240-259.

Testing

Generalization of Flow Behavior of Cement-Fly-Ash Pastes and Mortars, R. C. Joshi and T. S. Nagaraj, MT Aug. 90 p128-135.

Shear Properties of Pultruded Glass FRP Materials, Lawrence C. Bank, MT May 90 p118-122.

Tests

Effect of Moisture Movement on Tested Thermal Conductivity of Moist Materials, Rachel Becker and Amnon Katz, MT May 90 p72-83.

Thermal diffusion

Effect of Moisture Movement on Tested Thermal Conductivity of Moist Materials, Rachel Becker and Amnon Katz, MT May 90 p72-83.

Trusses

Shear Transfer in Reinforced Fiber Concrete, K. H. Tan and M. A. Mansur, MT Nov. 90 p202-214.

Waste recycling

Aggregate Made from Incinerated Sludge Residue, Woon-Kwong Yip and Joo-Hwa Tay, MT May 90 p84-93.

Waste utilization

Ash from Oil-Palm Waste as a Concrete Material, Joo-Hwa Tay, MT May 90 p94-105.

Welds

Chemical Effects on Flexible-Membrane Liner Seams, K. R. Agricola, J. M. Krause-Singh and R. L. Hauser, MT May 90 p53-71.

X-ray diffraction

Qualitative Analysis of Natural Pozzolanas, Fly Ashes, and Blast Furnace Slags by XRD, Rafael Talero, MT May 90 p106-115.

AUTHOR INDEX

- Adkins, Dan F.**
Freeze-Thaw Deterioration of Concrete Pavements,
MT May 89, p97-104
err: MT Feb. 90, p51
- Agricola, K. R.**
Chemical Effects on Flexible-Membrane Liner
Seams, with J. M. Krause-Singh and R. L.
Hauser, MT May 90, p53-71
- Altin, P. C.**
Long-Term Compressive Strength of Silica-Fume
Concrete, with P. Laplante, MT Aug. 90, p164-
170
- Baltay, Peter**
Coefficient of Friction for Steel on Concrete at
High Normal Stress, with Atle Gjelsvik, MT Feb.
90, p46-49
- Bank, Lawrence C.**
Shear Properties of Pultruded Glass FRP Materials,
MT May 90, p118-122
- Becker, Rachel**
Effect of Moisture Movement on Tested Thermal
Conductivity of Moist Materials, with Amnon
Katz, MT May 90, p72-83
- Binda, Luigi**
Building Materials Durability: Semi-Markov Ap-
proach, with Chiara Molina, MT Nov. 90,
p223-239
- Brühwiler, Eugen**
Fracture of AAC as Influenced by Specimen
Dimension and Moisture, with Jia Wang and
Folker H. Wittmann, MT Aug. 90, p136-146
- Christiansen, Vance T., (disc)**, MT Feb. 90, p51
see Adkins, Dan F., MT May 89, p97-104
- Gibson, Lorna Jane**
see Huang, Jong-Shin, MT Aug. 90, p171-182
- Gjelsvik, Atle**
see Baltay, Peter, MT Feb. 90, p46-49
- Grabowski, E.**
Static Carbonation of Oil-Well Cements under
Different Conditions, MT Nov. 90, p183-201
- Haque, M. N.**
see Kayyali, O. A., MT Feb. 90, p24-34
- Harmon, Thomas G.**
see Li, Long-YuanT2AvH Fellow, MT Nov. 90,
p215-222
- Harrison, Rex S.**
see Ho, David W. S., MT Feb. 90, p35-44
- Hammer, R. L.**
see Agricola, K. R., MT May 90, p53-71
- Ho, David W. S.**
Influence of Surface Coatings on Carbonation of
Concrete, with Rex S. Harrison, MT Feb. 90,
p35-44
- Hu, Xiaozhi**
Experimental Method to Determine Extension of
Fracture-Process Zone, with Folker H. Witt-
mann, MT Feb. 90, p15-23
- Huang, Jong-Shin**
Creep of Sandwich Beams with Polymer Foam
Cores, with Lorna Jane Gibson, MT Aug. 90,
p171-182
- Joshi, R. C.**
Generalization of Flow Behavior of Cement-
Fly-Ash Pastes and Mortars, with T. S. Nagaraj,
MT Aug. 90, p128-135
- Katz, Amnon**
see Becker, Rachel, MT May 90, p72-83
- Kayyali, O. A.**
Environmental Factor and Concentration of Cl
and OH⁻ in Mortars, with M. N. Haque, MT Feb.
90, p24-34
- Krause-Singh, J. M.**
see Agricola, K. R., MT May 90, p53-71
- Laplante, P.**
see Altin, P. C., MT Aug. 90, p164-170
- Li, Long-YuanT2AvH Fellow**
Three-Parameter Failure Criterion for Concrete,
with Thomas G. Harmon, MT Nov. 90, p215-222
- Mahboub, Kamyar**
Asphalt Concrete Creep as Related to Rutting, MT
Aug. 90, p147-163
- Mansur, M. A.**
see Tan, K. H., MT Nov. 90, p202-214
- Molina, Chiara**
see Binda, Luigi, MT Nov. 90, p223-239
- Nagaraj, T. S.**
see Joshi, R. C., MT Aug. 90, p128-135
- Roschke, Paul N.**
Selection of Rubber Materials and Shapes for
Energy-Absorbing Elements, with Michael F.
Thompson and Dean L. Sicking, MT Nov. 90,
p240-259
- Sarkar, Shondeep L.**
Strength Enhancement in Type K Expansive
Cement Using Additives, MT Feb. 90, p1-14
- Sicking, Dean L.**
see Roschke, Paul N., MT Nov. 90, p240-259
- Talero, Rafael**
Qualitative Analysis of Natural Pozzolanas, Fly
Ashes, and Blast Furnace Slags by XRD, MT
May 90, p106-115
- Tan, K. H.**
Shear Transfer in Reinforced Fiber Concrete, with
M. A. Mansur, MT Nov. 90, p202-214

Tay, Joo-Hwa

Ash from Oil-Palm Waste as a Concrete Material,

MT May 90, p94-105

see Yip, Woon-Kwong, MT May 90, p84-93

Thompson, Michael F.

see Roachke, Paul N., MT Nov. 90, p240-259

Wang, Jia

see Brühwiler, Eugen, MT Aug. 90, p136-146

Wittmann, Folker H.

see Brühwiler, Eugen, MT Aug. 90, p136-146

see Hu, Xiaozhi, MT Feb. 90, p15-23

Yip, Woon-Kwong

Aggregate Made from Incinerated Sludge Residue,
with Joo-Hwa Tay, MT May 90, p84-93

